

IN THE CLAIMS

Cancel Claims 2, 3, 6, 8-14, 19, 20, 27-31, and 33-37 without prejudice and without disclaimer of subject matter (Claims 47-52 were canceled previously).

The following is a complete listing of the claims remaining in this application, reflects all changes currently being made to the claims, and replaces all earlier versions and all earlier listings of the claims:

1. (Currently Amended) A method of compressing a digital format in which information representing a physical quantity is accompanied by ~~[[predictable]]~~ data having a value independent of that of the information representing a physical quantity and dependent on the digital format, comprising an operation of ~~reducing the number of the predictable removing the data, wherein the data and information representing a physical quantity resulting from this reduction operation being capable of allowing the reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with the digital format data removed in the removing can be reconstituted knowing the digital format.~~

2. (Canceled)

3. (Canceled)

4. (Currently Amended) The method according to either one of ~~Claims 2 or 3~~ Claim 1, in which, during the ~~removal operation removing~~, reserved data are removed.

5. (Currently Amended) The method according to ~~any one of Claims 2 or 3~~ Claim 1, in which, during the ~~removal operation~~ removing, identifiers of parts of a set of data are removed.

6. (Canceled)

7. (Currently Amended) The method according to ~~any one of Claims 1 to 3~~ Claim 1, in which the format is the DV format.

8.-.14 (Canceled)

15. (Currently Amended) A data and information processing method in which a physical quantity is represented by a predetermined quantity of data and information, the method comprising the steps of:

estimating a need to reduce a quantity of data and information
representing a physical quantity, and
when reduction is necessary, implementing a compression method
according to ~~any one of Claims 1 to 3~~ Claim 1.

16. (Previously Presented) The method according to Claim 15, further comprising:

an operation of estimating a need for compression of information
representing a physical quantity, and

when the compression is necessary, an operation of compressing the information representing a physical quantity.

17. (Currently Amended) A method for transmitting information representing a physical quantity, wherein the information is accompanied by [[predictable]] data, according to a predetermined digital format, the method comprising:

an operation of ~~reducing the number of the predictable~~ removing the data, the data having a value independent of the information representing a physical quantity and dependent on the digital format, wherein the data removed in the removing can be reconstituted knowing the digital format ~~and information representing a physical quantity resulting from this reduction operation being able to allow reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with the digital format,~~

an operation of receiving the information and the data ~~resulting from the reduction operation,~~

an operation of reconstituting [[predictable]] data in accordance with the digital format, the reconstituted [[predictable]] data representing the received data and being independent of the information and greater in number than the number of data items received, and

an operation of organizing the reconstituted ~~predictable~~ data and the information, in accordance with the digital format.

18. (Currently Amended) A method of recording information representing a physical quantity, comprising:

- ~~an operation of reducing the number of the predictable data, the removing data accompanying the information representing a physical quantity, the data having a value independent of the and information representing a physical quantity and dependent on a digital format, wherein the data removed in the removing can be reconstituted knowing the digital format resulting from this reduction operation being able to allow the reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with the digital format,~~
- an operation of recording data and information representing a physical quantity ~~resulting from this reduction operation~~, on a recording medium,
- an operation of reading the information and the data ~~resulting from the reduction operation~~, on the recording medium,
- an operation of reconstituting ~~predictable~~ data in accordance with the digital format, the reconstituted ~~predictable~~ data representing the read data and being independent of the information and greater in number than the number of received data,
- and
- an operation of organizing the reconstituted ~~predictable~~ data and the information, in accordance with the digital format.

19.-20. (Canceled)

21. (Currently Amended) A method of receiving information representing a physical quantity accompanied by data having a value independent of that of the information and dependent on , ~~the information and data being intended to be conformed according to~~ a predetermined digital format, comprising:

an operation of reading at least part of the received data,

an operation of determining ~~[[predictable]] data that has been removed and which can be reconstituted knowing the digital format, the data~~ representing the received data and having a value independent of that of the information and dependent on the digital format, the ~~[[predictable]] data~~ being greater in number than the number of received data, and

an operation of organizing the ~~[[predictable]] data~~ and the information, the organization being in accordance with the digital format and causing ~~[[predictable]] data~~ and information to alternate.

22. (Currently Amended) A method of receiving information representing a physical quantity, organized in accordance with a first structure including the information and structural data, in frames in accordance with a second structure and also including complementary data, comprising:

an operation of marking the information in the frames,

an operation of marking the structural data in the frames,

an operation of determining ~~[[predictable]] data that has been removed and which can be reconstituted knowing the digital format, the data~~ having a

value independent of the information and the complementary data and dependent on the digital format, the [[predictable]] data representing structural data, and

an operation of organizing, in accordance with a third structure, the information and the [[predictable]] data.

23. (Previously Presented) The method of receiving information according to Claim 22, in which, during the marking operation, the second structure is that of a wireless transmission protocol.

24. (Currently Amended) The method of receiving information according to either one of Claims 22 or 23, in which, during the [[organization]] organizing operation, the third structure is that of a protocol for transmitting or storing digital images.

25. (Currently Amended) A method of transmitting information representing a physical quantity, comprising:

an operation of determining data intended to accompany the information, having a value independent of that of the information and dependent on a digital format,

an operation of sending or storing the information and the data,

an operation of receiving or reading, respectively, the information representing a physical quantity, accompanied by the data,

an operation of reading at least part of the received data,

an operation of determining ~~[[predictable]]~~ data that has been removed and which can be reconstituted knowing the digital format, the data representing received data and having a value independent of that of the information and dependent on the digital format, the ~~[[predictable]]~~ data being greater in number than the number of received data, and

an operation of organizing the ~~[[predictable]]~~ data and the information, the organization being in accordance with the digital format alternating ~~[[predictable]]~~ data and information.

26. (Currently Amended) A device compressing a digital format in which information representing a physical quantity is accompanied by ~~[[predictable]]~~ data having a value independent of that of the information representing a physical quantity and dependent on the digital format, comprising means for ~~reducing the number of the predictable data, the data and information representing a physical quantity resulting from this reduction being able to allow the reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with~~ removing the data, wherein the data removed in the removing can be reconstituted knowing the digital format.

27. -.31 (Canceled)

32. (Currently Amended) The device according to ~~any one of Claims 26 to 28~~ Claim 26, in which the format is the DV format.

33.-.37 (Canceled)

38. (Currently Amended) The device according to ~~any one of Claims 26 to 28~~ Claim 26, further comprising means for reading data in the DIF format.

39. (Currently Amended) The device according to ~~any one of Claims 26 to 28~~ Claim 26, further comprising means for reading on an IEEE 1394 bus.

40. (Currently Amended) A data and information processing device,
comprising:

means for estimating the need for reduction in the quantity of data
and information representing a physical quantity, and

a compression device according to ~~any one of Claims 26 to 28~~ Claim 26,

the estimation means being adapted to use the compression device
when the reduction is necessary.

41. (Previously Presented) The device according to Claim 40, further
comprising:

means for estimating the need for compression of information
representing a physical quantity, and

means for compressing information representing a physical quantity,

the estimation means being adapted to use the compression device when the compression is necessary.

42. (Currently Amended) A device receiving information representing a physical quantity accompanied by data having a value independent of that of the information and dependent on , ~~the information and data being intended to be conformed according to~~ a predetermined digital format, comprising:

means for reading at least part of the received data,

means for determining ~~[[predictable]] data that has been removed and which can be reconstituted knowing the digital format, the data~~ representing received data and having a value independent of that of the information and dependent on the digital format, the ~~[[predictable]] data~~ being greater in number than the number of received data, and

means for organizing the ~~[[predictable]] data~~ and the information, the organization being in accordance with the digital format and causing ~~[[predictable]] data and information to alternate.~~

43. (Currently Amended) A device recording information representing a physical quantity, comprising:

means for ~~reducing the number of the predictable data, the data and information representing a physical quantity resulting from this reduction being able to allow the reconstitution of predictable data accompanying the information representing a physical quantity, in accordance with~~ removing data accompanying the information

representing a physical quantity, the data being independent of the information representing a physical quantity and dependent on the digital format, wherein the data removed in the removing can be reconstituted knowing the digital format,

means for recording data and information representing a physical quantity resulting from this ~~reduction~~ removing, on a recording medium,

means for reading the information and the data resulting from the ~~reduction operation~~ removing, on the recording medium,

means for reconstituting [[predictable]] data in accordance with the digital format, the reconstituted [[predictable]] data representing the read data and being independent of the information and greater in number than the number of received data, and

means for organizing the reconstituted [[predictable]] data and the information, in accordance with the digital format.

44. (Currently Amended) A device decompressing information representing a physical quantity organized in a first structure including the information and structural data, in frames in accordance with a second structure and also including complementary data, comprising:

marking means, adapted to mark the information in said the frames, and to mark the structural data in the frames,

means for determining [[predictable]] data that has been removed and which can be reconstituted knowing a digital format, the data having a value

independent of the information and the complementary data and dependent on the digital format, the [[predictable]] data representing structural data, and
means for organizing, in a third structure, the information and the
[[predictable]] data.

45. (Previously Presented) The device according to Claim 44, in which the marking means is adapted to mark the information and the structural data in a second structure which is that of a wireless transmission protocol.

46. (Currently Amended) The device according to either one of Claims 44 or 45, in which the organization means is adapted to organize the information and the [[predictable]] data in a third structure which is that of a digital image storage or transmission protocol.

47-52. (Canceled)

53. (New) The method according to Claim 1, further comprising a step of providing a supplementary information item representing the digital format, in order to allow reconstitution of the data removed in the removing.